Multilon® R-2010

(PC+ABS)-GF20 — Teijin Chemicals Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**9**	cm³/10min	ISO 1133
Temperature	**250**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**0.4**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.5**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3950**	MPa	ISO 527
Stress at break	**80**	MPa	ISO 527
Strain at break	**3**	%	ISO 527
Flexural modulus, 23°C	**3800**	MPa	ISO 178
Flexural strength	**120**	MPa	ISO 178
Charpy impact strength, +23°C	**35**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**12**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**10**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**124**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**137**	°C	ISO 75-1/-2
Vicat softening temperature, B	**130**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**50**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**70**	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**1E16**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1210**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**110**	°C	-
Pre-drying - Time	**5 - 8**	h	-
Melt temperature	**240 - 270**	°C	-
Mold temperature	**50 - 70**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets

Special Characteristics
Heat stabilized or stable to heat

Applications
Automotive

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa